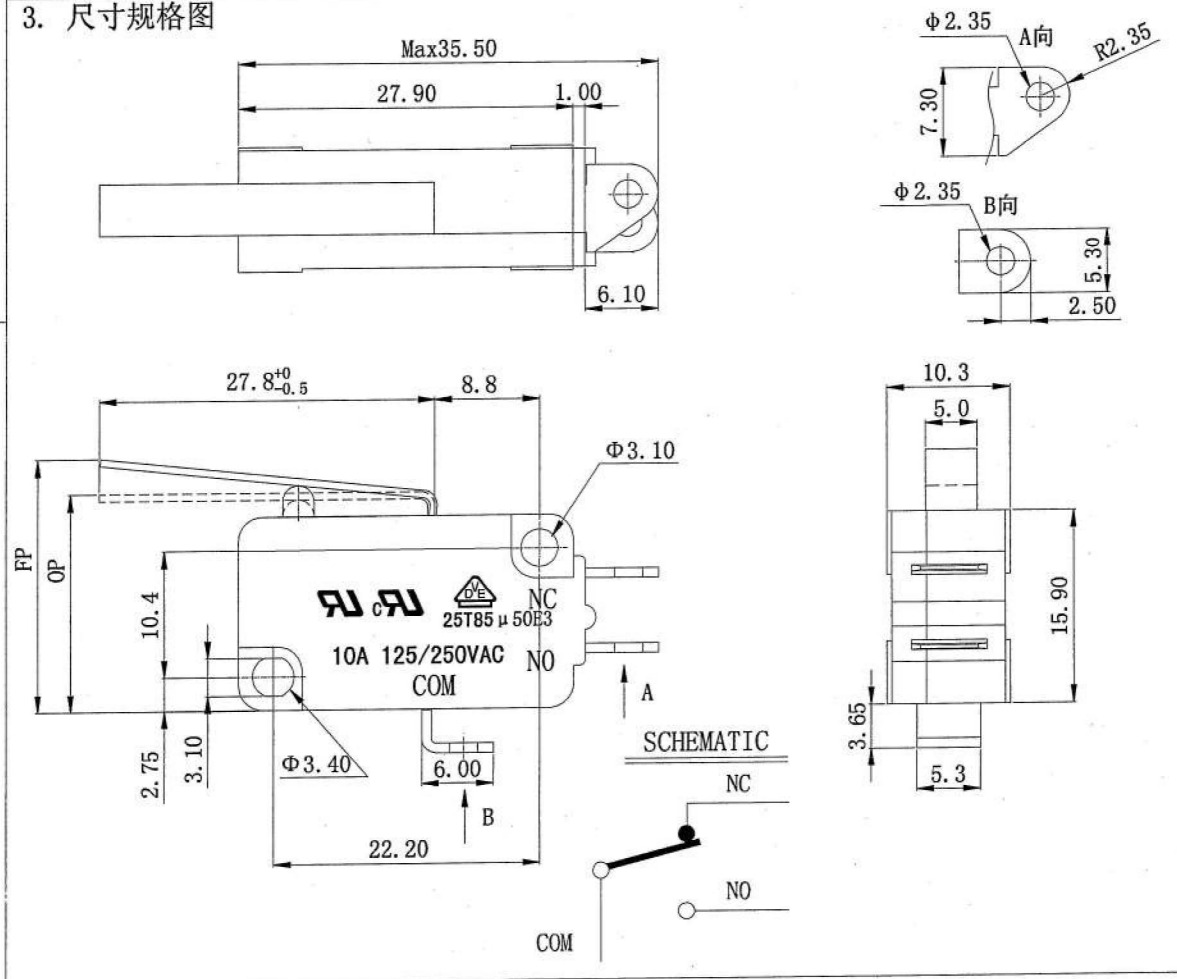



| 类 型 | 压接微动开关 | 品 名 | |
|--------------|--------------------|--------------|-------------|
| 1. 功能规格 | | | |
| 1.1额定电压 | 125/250VAC | 1.6自由位置 (FP) | 20.8±0.8mm |
| 1.2额定电流 | 10A | 1.7动作位置 (OP) | 18.3±0.8mm |
| 1.3接触电阻 (CR) | ≤100mΩ (初始值) | 1.8行程 (PT) | |
| 1.4操作力 (OF) | 110±30gf | 1.9灵敏度 (BT) | |
| 1.5回弹力 (RF) | | 1.10 | |
| 2. 可靠度参数 | | | |
| 2.1机械寿命 | 1, 000, 000 CYCLES | 2.5焊接工艺 | 手工焊 |
| 2.2电气寿命 | 10,000 CYCLES | 2.6适用温度 | -25℃ ~ +85℃ |
| 2.3绝缘电阻 | ≥100MΩ DC500V | 2.7适用湿度 | <85%RH |
| 2.4耐压强度 | AC1500V 1 minute | 2.8 | |

3. 尺寸规格图



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|--------------------------------------|---|--|-------------------|---|---------------------|
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| 1、General(一般特性) : | | | | | |
| 1.1 Switch rating: | | 10A, 125/250V AC (规格: 10A, 125/250V AC) | | | |
| 1.2 Operating temperature range | | -25°C~+85°C (操作温度范围: -25°C~+85°C) | | | |
| 1.3 Preservative temperature range | | -30°C~+85°C (储存温度: -30°C~+85°C) | | | |
| 1.4 Storage humidity range | | <85%RH (储存湿度:<85%RH) | | | |
| 2.Performance 功能参数 | | | | | |
| 2.1 Electrical characteristics(电气特性) | | | | | |
| Items 项目 | | Test conditions 测试条件 | | Criteria 标准 | |
| 2.1.1 | Contact resistance 接触电阻 | <p>Applying a static load twice the operating force to the stem, measurements shall be made between the terminals.</p> <p>Measurement shall be made with a contact resistance meter for 2mΩ precision under the condition which a voltage of DC 5V and a current of 0.1A shall be applied between the terminals.</p> <p>在按钮上施加两倍操作力的静负荷值,采用精度为 2mΩ 高稳定度线性毫欧表,在 DC 5V 0.1A 的条件下测量端子两端的接触电阻。</p> | | Refer to individual product drawing 参考规格图纸 | |
| 2.1.2 | Insulation resistance 绝缘电阻 | <p>Spec. voltage (Refer to the 2.3 item of spec. drawing) is applied between each pair of terminals and between the terminal and the metal frame for one minute. Measurement shall be made with a test instrument of insulation resistance under the condition which a voltage of Spec. voltage is applied between the terminals.</p> <p>采用绝缘电阻器仪分别在相互绝缘的所有端子之间各接线端子与外露的非金属零件之间加载规格电压(参见规格图纸 2.3 项)持续 1 分钟测试绝缘电阻值。</p> | | Refer to individual product drawing 参考规格图纸 | |
| 2.1.3 | Dielectric withstand in voltage 耐压强度 | <p>Spec. voltage (Refer to the 2.4 item of spec. drawing) shall be applied across terminals and frame for one minute.</p> <p>在端子两端之间加载规格电压(参见规格图纸 2.4 项),持续时间为 1 分钟。</p> | | There shall be no breakdown 无电击穿等异常. | |
| 2.1.4 | Bounce 灵敏度 | <p>Lightly striking the center of the button at a rate encountered in normal use (3 to 4 operating per sec.) bounce shall be tested at "ON" and "OFF".</p> <p>以 3-4 次/秒的频率施加正常力于按钮上,操作之动作则可测出 "ON"、"OFF" 之功能。</p>  | | 5ms max | |
| 3.Mechanical characteristics 机械特性 | | | | | |
| 3.1.1 | Free Position 自由位置 | <p>Position of switch plunger or actuation when on external force is applied.</p> <p>开关不受外力时之位置。</p> | | Refer to individual product drawing 参考规格图纸 | |

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| Items 项目 | | Test conditions 测试条件 | | | Criteria 标准 |
| 3.1.2 | Operating Position 动作位置 | Position of switch plunge or actuator at which point contacts snap form normal to operated position. Note that the case of flexible of adjustable actuators. 开关操动件受到外力后, 由自由状态切换到动作状态的动作位置。 (注意防止盖片变形或按钮倾斜现象。) | | | Refer to individual product drawing 参考规格图纸 |
| 3.1.3 | Operating Force 操作力 | Placing the switch such that the direction of switch operation is vertical, and then gradually increasing the load applied to the button, the maximum load for the button to come to operating position shall be measured. 置开关于垂直状态, 渐增力度使按钮至动作位置为最大值之力度。 | | | Refer to individual product drawing 参考规格图纸 |
| 3.1.4 | Terminal Strength 端子强度 | Placing the switch such that the direction of switch operation is vertical, a static load of 1Kgf shall be applied to the tip of the terminal in the direction of operation for 1 minute. 置开关于垂直状态, 动作端子顶端接线端强度 1Kgf, 时间为 1 分钟。 | | | There shall be no sign of damage mechanically and electrically. 机械性能、电气性能无损害现象。 |
| 3.1.5 | Button Strength 按钮强度 | Placing the switch such that the direction of switch operation is vertical, a static load of 1Kgf shall be applied to the center of the button in the direction of button operation for 1 minute. 置开关于垂直状态, 直接动作按钮, 驱动强度 1Kgf, 时间为 1 分钟。 | | | |
| 3.1.6 | Recommended operating condition 参考操作条件 | <p>1. Design inclination of key top 4 deg. Max. as fig-1. Tolerance between switch and key top is within 0.3mm.as fig-2 and fig-3 推荐使用方案: 垂直按钮表面正方向按压操作, 如图 1 倾斜 4° (最大) 方向按压。如图 2、3 开关轴心与按键轴心偏移间距必须在 0.3mm 以内, 按钮表面与按键之间间隙必须在 0.3mm 以内。</p> <p>2. Notes: Please be cautions not to give excessive static load or shock to switches. 备注: 请避免给开关施加额外的静负荷或冲击力。</p> | | | |
| | | | | | |
| 4. soldering characteristics 焊接性能 | | | | | |
| 4.1 | Hand soldering 手工焊 | Use a soldering iron of 30 watts, controlled at 350~360 °C approximately 3 seconds1time while applying solder. 焊接时需在 30 瓦烙铁, 控制于 350~360°C, 大约 3 秒钟 1 次条件下进行。 | | | <p>A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed. There shall be no defects in appearance or in the mechanical functions. 覆锡性能达到浸入表面的 90% 以上。 没有出现任何外观和机械功能上的损伤。</p> |

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| Items 项目 | | Test conditions 测试条件 | | Criteria 标准 | |
| 5. Durability characteristic:耐久性能 | | | | | |
| 5.1 | Mechanical life 机械寿命 | (1) Without loading 无负载 (2) Operating speed : 120 cycles/minute 操作频率: 120 次/分钟 (3) Push force : maximum value of operating force twice 推动力: 操作力的最大规格值的两倍 (4) Life: 1,000,000cycles 寿命: 1,000,000 次 | | After test: (1) Contact resistance: 1 ohm Max. (2) Bounce: 5m sec. Max. (3) Withstand voltage: AC1000V, 1 minute (4) Operating force: 30% of initial value (5) There shall be no defects in appearance or in the mechanical functions. | |
| | Electrical life 电气寿命 | 10. (1) which the load of 10A 250VAC 11. 负载为 10A 250VAC 12. (2) Operating speed : 10 cycles/minute 操作频率: 10 次/分钟 (3) Push force : maximum value of operating force twice 推动力: 操作力的最大规格值的两倍 13. (4) Life: 10,000 cycles 寿命: 10,000 次 | | 试验后: (1) 接触电阻: 1 欧姆以下 (2) 灵敏度: 5 毫秒以下 (3) 耐压强度: AC1000V, 1 分钟 (4) 操作力度: 测试初始值的 30% 以内 (5) 没有出现任何外观和机械功 能上的损伤。 | |